

## DONATIONS

The Council wish to record their thanks to the members who have completed deeds of covenant. The council also acknowledge donations of £160 from other members of the Society.

## THE SOCIETY'S REPRESENTATIVES

The following members were appointed to represent the Society on the bodies named:  
Bruce Memorial Prize Committee—Professor J. Wreford Watson and Professor V. B. Proudfoot.

British National Committee for Geography—Professor J. Wreford Watson.  
Permanent Committee on Geographical Names—John C. Bartholomew.  
Scottish National Memorial to David Livingstone—J. W. Forrest.  
British National Cartography Subcommittee—John C. Bartholomew.  
British Association—Donald G. Moir.  
Sir Dudley L. Stamp Fund—Professor J. T. Coppock.

## OBITUARY

It is with deep regret that the Council record the death of Mr Robert R. Elton, who served on Council and the Finance Committee for many years.

## INDEX

## Volumes 96 and 97: 1980, 1981

*Number of Volume in bolder type*

Academic Geography in Britain, Scotland as the cradle of modern, by Elspeth N. Lochhead, **97**, 98.

Air Pollution comes to Central Scotland, Photochemical, by John C. Sweeney, **97**, 50.

Al-Aansari, N. A. and McManus, John, Reinvestigation of the Bathymetry of Loch Earn, **96**, 105.

Angus, Study of Edward's Map of, 1678, by Anne I. Martin, **96**, 39.

Bartholomew Prize in Cartography, Institution of, **96**, 50.

Bathymetry of Loch Earn, Reinvestigation of the, by N. A. Al-Aansari and John McManus, **96**, 105.

Baxter, M. J. and Ewing, Gordon, Recreational Day Trips in East Central Scotland, **97**, 147.

British Association, Geography at, by George Gordon, **96**, 140.

Brown, Colin M., Scotland's Glass Industry, **96**, 158.

Buchan as shown on the Roy Map, The District of, by James R. Coull, **96**, 67.

Cairngorms, Loch Lomond advance in the (reply to J. B. Sissons), by D. E. Sugden, **96**, 18.

Century Flood Protection Schemes around Loch Moy, Inverness-shire, by James A. T. Young, **96**, 166.

Chalmers, Thomas — a Scottish Malthusian, by Alexander S. Mather, **96**, 186.

Chemical Denudation in the Eden Catchment, Fife, Spatial Patterns of, by Alan S. Tricket and George Scott, **96**, 114.

Chester, David K., Evaluation of Scottish Sand and Gravel Resources, **96**, 51.

Churchill Travelling Fellowships, application for 1981 awards, **96**, 113.

Clark, Gordon, Some Secular Changes in Landownership in Scotland, **97**, 27.

Public Ownership of Land in Scotland, **97**, 140.

Classification of Scottish Peatlands, by P. D. Hulme, **96**, 46.

Coal Markets in Fife 1760-1860, Industrial, by George Wilson, **96**, 83.

Columbia, River of: Magdalena, by Janet Townsend, **97**, 37.

Coull, James R., The District of Buchan as shown on the Roy Map, **96**, 67.

Cruickshank, Alistair, Development of the Deep South: a Reappraisal, **96**, 91.

U.S.A. Census '80: A Note, **97**, 175.

Davidson, Richard W., Ski Developments in Scotland — What lies ahead? **97**, 110.

Development of the Deep South: A Reappraisal, **96**, 91.

Dutch Elm Disease in Scotland, Geography and Management of, by Peter Jones, **96**, 173.

Economic and Social Disruption arising from the Snowfall Hazard in Scotland — The Example of January 1978, by A. H. Perry and I. Symons, **96**, 20.

Eden Catchment, Fife, Spatial Patterns of Chemical Denudation in the, by Alan S. Tricket and George Scott, **96**, 114.

Edward's Map of Angus 1678, A Study of, by Anne I. Martin, **96**, 39.

Evaluation of Scottish Sand and Gravel Resources, by David K. Chester, **96**, 51.

Evolution of Rural Settlement in Lowland Scotland in Mediaeval and Early Modern Times: An Exploration, by Ian D. Whyte, **97**, 4.

Ewing, Gordon and Baxter, M. J., Recreational Day Trips in East Central Scotland, **97**, 147.

Farming in Grampian and Highland, Land Transfers from 1969-1980, by John S. Smith, **97**, 169.

Forbes, Jean and Robertson, Isobel, Patterns of Residential Movement in Greater Glasgow, **97**, 85.

Gaelic in Scotland, Geographical Extent of, by C. J. W. Withers, **97**, 130.

Geographical Extent of Gaelic in Scotland, by C. J. W. Withers, **97**, 130.

Geographical Literature relating to Scotland, 1979, Recent, **96**, 181.

Geography and Management of Dutch Elm Disease in Scotland, by Peter Jones, **96**, 173.

Geography at the British Association, by George Gordon, **96**, 140.

Geography of Religion in Scotland, A, by Charles A. Piggott, **96**, 130.

Geography of the Early Synthetic Alkali Industry in Great Britain, by Hugh Matthews, **96**, 26.

Getz, Donald, Tourism and Rural Settlement Policy, **97**, 158.

Glasgow, Greater, by Kerrin J. Lea, **96**, 4.

Glasgow, Patterns of Residential Movement in Greater, by Jean Forbes and Isobel Robertson, **97**, 85.

Glass Industry, Scotland's, by Colin M. Brown, **96**, 158.

Gordon, George, Geography at the British Association, **96**, 140.

Gordon, George, Historico-Geographic Explanation of Urban Morphology: A Discussion of some Scottish Evidence, **97**, 16.

Gordon, George and Robb, John, Small-scale Residential Differentiation in Nineteenth Century Scottish Cities, **97**, 77.

Grants for research — awards, **96**, 90.

Gravel Resources, Evaluation of Scottish Sand and, by David K. Chester, **96**, 51.

Historico-Geographic Explanation of Urban Morphology: A Discussion of some Scottish Evidence, by George Gordon, **97**, 16.

Hulme, P. D., The Classification of Scottish Peatlands, **96**, 46.

Industrial Coal Markets in Fife 1760-1860, by George Wilson, **96**, 83.

Jones, Peter, Geography and Management of Dutch Elm Disease in Scotland, **96**, 173.

Landownership in Scotland, Some Secular Changes in, by Gordon Clark, **97**, 27.

Land Transfers from Farming in Grampian and Highland 1969-1980, by John S. Smith, **97**, 169.

Lea, Kerrin J., Greater Glasgow, **96**, 4.

Loch Earn, Reinvestigation of the Bathymetry of, by N. A. Al-Ansari and John McManus, **96**, 105.

Lochhead, Elspeth N., Scotland as the cradle of modern Academic Geography in Britain, **97**, 98.

Loch Lomond advance in the Cairngorms (a reply to J. B. Sissons), by D. E. Sugden, **96**, 18.

Loch Moy, Inverness-shire, Century Flood Protection Schemes around, by James A. T. Young, **96**, 166.

Lockhart, Douglas G., Scottish Village Plans: A Preliminary Analysis, **96**, 141.

McCLEERY, Alison and Alistair, Personality of Place in the Urban Regional Novel, **97**, 66.

McMANUS, John and Al-Ansari, N. A., Reinvestigation of the Bathymetry of Loch Earn, **96**, 105.

Magdalena, River of Columbia, by Janet Townsend, **97**, 37.

MARTIN, Anne L., Study of Edward's Map of Angus 1678, **96**, 39.

MATHER, Alexander S., Thomas Chalmers—a Scottish Malthusian, **96**, 186.

MATTHEWS, Hugh, Geography of the Early Synthetic Alkali Industry in Great Britain, **96**, 26.

MILLER, Ronald, Royal Geographical Society 1830-1980, **96**, 180.

MORRIS, Arthur S., The Nineteenth Century Scottish Carrier Trade Patterns of Decline, **96**, 74.

Nineteenth Century Scottish Carrier Trade Patterns of Decline, by Arthur S. Morris, **96**, 74.

Peatlands, Classification of Scottish, by P. D. Hulme, **96**, 46.

PERRY, A. H. and SYMONS, I., Economic and Social Disruption arising from the Snowfall Hazard in Scotland — The Example of January 1978, **96**, 20.

Personality of Place in the Urban Regional Novel, by Alison and Alistair McCleery, **97**, 66.

Photochemical Air Pollution comes to Central Scotland, by John C. Sweeney, **97**, 50.

Piggott, Charles A., A Geography of Religion in Scotland, **96**, 130.

Public Ownership of Land in Scotland, by Gordon Clark, **97**, 140.

Recreational Day Trips in East Central Scotland, by M. J. Baxter and Gordon Ewing, **97**, 147.

Reinvestigation of the Bathymetry of Loch Earn, by N. A. Al-Ansari and John McManus, **96**, 105.

Religion in Scotland, A Geography of, by Charles A. Piggott, **96**, 130.

Residential Differentiation in Nineteenth Century Scottish Cities, Small-scale, by George Gordon and John Robb, **97**, 77.

Residential Movement in Greater Glasgow, Patterns of, by Jean Forbes and Isobel Robertson, **97**, 85.

ROBB, John and GORDON, George, Small-scale Residential Differentiation in Nineteenth Century Scottish Cities, **97**, 77.

ROBERTSON, Isobel and FORBES, Jean, Patterns of Residential Movement in Greater Glasgow, **97**, 85.

ROY MAP, The District of Buchan as shown on the, by James R. Coull, **96**, 67.

Royal Geographical Society 1830-1980, by Ronald Miller, **96**, 180.

Royal Scottish Geographical Society: Annual Accounts, **96**, 192; **97**, 189.

Annual Business Meeting, 96, 190; 97, 187.  
 Annual Report, 96, 190; 97, 187.  
 Books Received, 96, 127; 97, 63.  
 Donations, 96, 191; 97, 188.  
 Fellowship, 96, 190; 97, 188.  
 Lecture Programmes, 96, 38, 191; 97, 26, 188.  
 Library and Map Department, 96, 191; 97, 188.  
 Livingstone Medal, 96, 190.  
 Meetings of Society, 96, 190; 97, 187.  
 Membership, 96, 190; 97, 187.  
 Newbiggin Prize, 96, 50; 97, 26.  
 Obituary, 96, 191; 97, 188.  
 President, Award of Hon. LL.D. (Calgary), 97, 109.  
 Representatives, 96, 191; 97, 188.  
 Research Medal, 96, 190.  
 Scottish Geographical Magazine, 96, 190; 97, 187.  
 Scottish Universities Medals, 96, 190; 97, 187.  
 Symposia, 96, 191; 97, 109.  
 Rural Settlement in Lowland Scotland in Mediaeval and Early Modern Times: Evolution of: An Exploration, by Ian D. Whyte, 97, 4.  
 Sand and Gravel Resources, Evaluation of Scottish, by David K. Chester, 96, 51.  
 Scotland as the Cradle of modern Academic Geography in Britain, by Elspeth N. Lochhead, 97, 98.  
 Scotland's Glass Industry, by Colin M. Brown, 96, 158.  
 Scott, George and Tricket, Alan S., Spatial Patterns of Chemical Foundation in the Eden Catchment, Fife, 96, 114.  
 Scottish Carrier Trade Patterns of Decline, The Nineteenth Century, by Arthur S. Morris, 96, 74.  
 Scottish Peatlands, Classification of, by P. D. Hulme, 96, 46.  
 Scottish Sand and Gravel Resources, Evaluation of, by David K. Chester, 96, 51.  
 Scottish Village Plans: A Preliminary Analysis, by Douglas G. Lockhart, 96, 141.  
 Ski Developments in Scotland — What lies ahead? by Richard W. Davison, 97, 110.  
 Smith, John S., Land Transfers from Farming in Grampian and Highland 1969-1980, 97, 169.  
 Snowfall Hazard in Scotland — Economic and Social Disruption arising from the — The Example of January 1978, by A. H. Perry and I. Symons, 96, 20.  
 Social (and Economic) Disruption arising from the Snowfall Hazard in Scotland — The Example of January 1978, by A. H. Perry and I. Symons, 96, 20.  
 Spatial Patterns of Chemical Denudation in the Eden Catchment, Fife, by Alan S. Tricket and George Scott, 96, 114.  
 Study of Edward's Map of Angus 1678, by Anne I. Martin, 96, 39.  
 Sugden, D. E., Loch Lomond Advance in the Cairngorms (a reply to J. B. Sissons), 96, 18.  
 Sweeney, John C., Photochemical Air Pollution comes to Central Scotland, 97, 50.  
 Symons, I. and Perry, A. H., Economic and Social Disruption arising from the Snowfall Hazard in Scotland — The Example of January 1978, 96, 20.  
 Synthetic Alkali Industry in Great Britain, Geography of the, by Hugh Matthews, 96, 26.  
 Tourism and Rural Settlement Policy, by Donald Getz, 97, 158.  
 Townsend, Janet, Magdalena, River of Columbia, 97, 37.  
 Tricket, Alan S. and Scott, George, Spatial Patterns of Chemical Denudation in the Eden Catchment, Fife, 96, 114.  
 Urban Morphology, Historic-Geographic Explanation of: A Discussion of some Scottish Evidence, by George Gordon, 97, 16.  
 Urban Regional Novel, Personality of Place in the, by Alison and Alistair McCleery, 97, 66.  
 U.S.A. Census '80: A Note, by Alistair Cruickshank, 97, 175.  
 Whyte, Ian D., Evolution of Rural Settlement in Lowland Scotland in Mediaeval and Early Modern Times: An Exploitation, 97, 4.  
 Wilson, George, Industrial Coal Markets in Fife 1760-1860, 96, 83.  
 Withers, C. J. W., Geographical Extent of Gaelic in Scotland, 97, 130.  
 Young, James A. T., Century Flood Protection Schemes around Loch Moy, Inverness-shire, 96, 166.

## REVIEWS OF BOOKS

Amazon, The, by R. H. McConnell, 96, 126.  
 Applied Climatology, by J. E. Hobbs, 97, 186.  
 Biogeography: Natural and Cultural, by Ian Simmons, 96, 120.  
 British Isles through Maps and Diagrams, The, by A. F. P. Reed and L. R. Hawkes, 97, 186.  
 British Regional Development Since World War I, by Christopher M. Law, 97, 123.  
 Causes of Climate, by J. G. Lockwood, 96, 62.  
 Certificate Mapwork, by Philip A. Sauvain, 96, 189.  
 Changing Geography of Britain, The, by W. E. Marsden, 96, 64.  
 China: A Geographical Survey, by T. R. Tregear, 96, 187.  
 City and Society, an Outline for Urban Geography, by R. J. Johnston, 97, 60.  
 Developed World, The, by Spencer Thomas, 97, 128.  
 Developing World, The, by Andrew Reed, 96, 189.  
 Development Process, The: A Spatial Perspective, by Akin L. Mabogunje, 97, 124.  
 Disasters: The Anatomy of Environmental Hazards, by J. B. Whittow, 97, 125.

Earth: Past, Present and Future, *The*, by Michael Bradshaw, **97**, 127.

Ecology and Environmental Management, by C. C. Park, **97**, 124.

Elementary Air Survey, by W. K. Kilford, **96**, 124.

Europe: A Geographical Survey of the Continent, by R. E. H. Mellor and E. A. Smith, **96**, 125.

Farming and Food, by George Clay, **96**, 189.

Form of Cities, *The*, by D. I. Scargill, **97**, 60.

Fur Trade of the American West, 1807-1840, *The*, by D. J. Wishart, **96**, 64.

Ganges, *The*, by Gina Douglas, **96**, 126.

Geography and Resource Analysis, by Bruce Mitchell, **97**, 59.

Geographie de la Population, by Daniel Noin, **96**, 123.

Geography in a Changing World, Book 1, Understanding Places, by David P. Jones, **97**, 186.

Geography: Its History and Concepts, by Arild Holt-Jensen, **97**, 184.

Geography of Energy in the United Kingdom, A, by J. Fernie, **97**, 59.

Geography of Famine, *The*, by William A. Dando, **97**, 125.

Geography: Theory in Practice Agriculture, by R. Huggett and Iain Meyer, **97**, 185.

Geography, Yesterday and Tomorrow, ed. by E. H. Brown, **97**, 58.

Geomorphology of the British Isles, *The*: Ireland, by G. L. H. Davies and N. Stephen, **96**, 62.

Government and Agriculture, by Ian Bowler, **97**, 59.

Great Cities and their Traffic, by J. M. Thompson, **96**, 123.

History of Modern British Geography, A, by T. W. Freeman, **97**, 57.

Human Adjustment to the Flood Hazard, by K. Smith and G. A. Tobin, **97**, 126.

Humanistic Geography: Prospects and Problems, ed. by David Ley and Marwyn Samuels, **96**, 63.

Indonesia: Problems and Prospects, by Brian Lynch, **97**, 128.

Industrial Britain: The New Scotland, by David Turnock, **96**, 126.

International List of Geographical Serials, by Chauncy D. Harris and Jerome D. Fellman, **97**, 185.

Introduction to Behavioural Geography, An, by John R. Gold, **96**, 188.

Land Assessment in Scotland, ed. by M. F. Thomas and J. T. Coppock, **97**, 58.

Land Use, by David Rhind and Ray Hudson, **97**, 183.

Location and Public Problems, by K. R. Cox, **97**, 61.

Lord and Peasant in Nineteenth Century Britain, by D. R. Mills, **97**, 56.

Making of the Scottish Countryside, *The*, ed. by M. L. Parry and T. R. Slater, **97**, 56.

Mapping from Aerial Photographs, by C. D. Burnside, **96**, 124.

Map Reading and Analysis, by Ian Galbraith, **97**, 128.

Mining and Regional Development, by Derek Spooner, **97**, 183.

New Zealand Soils: an Introduction, by H. S. Gibbs, **97**, 183.

Nile, *The*, by E. B. Worthington, **96**, 126.

Ordnance Survey Review Committee, Report of the Chairman, Sir David Serpell, **96**, 125.

Outlook Geography: Worldscapes, by A. Ayres et al., **96**, 64.

People, Pattern and Process: An Introduction to Human Geography, by Keith Chapman, **97**, 61.

Population Analysis in Geography, by Robert Woods, **96**, 124.

Process and Pattern in Physical Geography, by Keith Hilton, **97**, 127.

Remote Sensing and Image Interpretation, by T. M. Lillesand and R. W. Kiefer, **96**, 124.

Report on the Hebrides of 1764 and 1771, by Rev. Dr John Walker, ed. by Margaret M. McKay, **97**, 126.

Road to the Isles, by Derek Cooper, **96**, 126.

Shetland's Living Landscape — A Study in Island Plant Ecology, by David Spence, **96**, 121.

Sketch-Map Geographies: Book 4 The New Europe, by P. Speak and A. H. C. Carter, **96**, 189.

Social Geography of the United States, by J. Wreford Watson, **96**, 121.

Socialist City, *The*: Spatial Structure and Urban Policy, ed. by R. A. French and F. E. I. Hamilton, **96**, 122.

Soils and Land Use Planning, by D. A. Davidson, **97**, 60.

South America, by Arthur Morris, **96**, 63.

Studies in Industrial Geography: France, by John Tuppen, **97**, 184.

Studies in Overseas Settlement and Population, ed. by A. Lemon and N. C. Pollock, **97**, 57.

Study the Earth, unit 1: Water at work, by M. Atherton and R. Robinson, **97**, 185.

Success in Economic Geography, by Norman Pounds, **97**, 184.

Upland Britain, by Roy Millward and Adrian Robinson, **97**, 62.

Urban Data Service, by John R. Short, **96**, 188.

Urban Deprivation and the Inner City, ed. by C. Jones, **96**, 122.

Using More Water, by F. R. McKim, **97**, 185.

U.S.S.R. Contrasts in Agriculture, by Jas. S. Gregory and Kenneth Wilkins, **97**, 186.

Vegetation Productivity, by Gareth Jones, **96**, 121.

Western Isles Today, *The*, by Judith Ennew, **97**, 126.

West Germany: a Geography of its People, by Trevor Wild, **97**, 62.

Wheaton Secondary School Atlas, ed. by L. R. Hawkes, **97**, 128.

